```
RRRRRRRRRRRR      UUU          UUU  NNN        NNN   000000000     FFFFFFFFFFFFFF     FFFFFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN        NNN   000000000     FFFFFFFFFFFFFF     FFFFFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN        NNN   000000000     FFFFFFFFFFFFFF     FFFFFFFFFFFFFF
RRR       RRR     UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNNNNN     NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNNNNN     NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNNNNN     NNN  000      000   FFF                FFF
RRRRRRRRRRRR      UUU          UUU  NNN  NNN   NNN  000      000   FFFFFFFFFFFF       FFFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN  NNN   NNN  000      000   FFFFFFFFFFFF       FFFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN  NNN   NNN  000      000   FFFFFFFFFFFF       FFFFFFFFFFFF
RRR    RRR        UUU          UUU  NNN     NNNNN   000      000   FFF                FFF
RRR     RRR       UUU          UUU  NNN     NNNNN   000      000   FFF                FFF
RRR      RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR     UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR        RRR    UUUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF                FFF
RRR         RRR   UUUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF                FFF
RRR          RRR  UUUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF                FFF
```

FILEID**RNODEF

```
RRRRRRRR     NN      NN    000000     DDDDDDD     EEEEEEEEEE  FFFFFFFFFF
RRRRRRRR     NN      NN    000000     DDDDDDD     EEEEEEEEEE  FFFFFFFFFF
RR    RR     NN      NN   00    00    DD     DD   EE          FF
RR    RR     NN      NN   00    00    DD     DD   EE          FF
RR    RR     NNNN    NN   00    00    DD     DD   EE          FF
RR    RR     NNNN    NN   00    00    DD     DD   EE          FF
RRRRRRRR     NN NN   NN   00    00    DD     DD   EEEEEEE     FFFFFFF
RRRRRRRR     NN NN   NN   00    00    DD     DD   EEEEEEE     FFFFFFF
RR RR        NN   NNNN    00    00    DD     DD   EE          FF
RR RR        NN   NNNN    00    00    DD     DD   EE          FF
RR    RR     NN      NN   00    00    DD     DD   EE          FF
RR    RR     NN      NN   00    00    DD     DD   EE          FF
RR      RR   NN      NN    000000     DDDDDDD     EEEEEEEEEE  FF          ....
RR      RR   NN      NN    000000     DDDDDDD     EEEEEEEEEE  FF          ....
                                                                         ....
                                                                         ....

RRRRRRRR     EEEEEEEEEE     QQQQQQ
RRRRRRRR     EEEEEEEEEE     QQQQQQ
RR      RR   EE           QQ    QQ
RR      RR   EE           QQ    QQ
RR      RR   EE           QQ    QQ
RRRRRRRR     EEEEEEE      QQ    QQ
RRRRRRRR     EEEEEEE      QQ    QQ
RR RR        EE           QQ QQ QQ
RR RR        EE           QQ QQ QQ
RR    RR     EE           QQ  QQ
RR    RR     EE           QQ  QQ
RR      RR   EEEEEEEEEE    QQQQ QQ
RR      RR   EEEEEEEEEE    QQQQ QQ
```

```
! Version:      'V04-000'
!
!*******************************************************************
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!*******************************************************************
!
!++
! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
!
! ABSTRACT:
!       Converts BLISS/VARIANT values into useful names.
!
! ENVIRONMENT:   Transportable BLISS
!
! AUTHOR:        Rich Friday
!
! CREATION DATE: 1978
!
! MODIFIED BY:
!
!       016     KAD00016        Ray Marshall    19-Mar-1984
!               Added GERMAN, FRENCH, & ITALIAN.
!
!       015     KAD00015        Keith Dawson    18-Apr-1983
!               Made the LN01 conditional the default for vanilla DSR --
!                 its value is 0 (no variant supplied).
!
!       014     KAD00014        Keith Dawson    22-Mar-1983
!               Asserted the LN01 conditional when DSRPLUS is asserted.
!
!       013     KAD00013        Keith Dawson    20-Mar-1983
!               Removed all references to .BIX and .BTC files.
!
!       012     KAD00012        Keith Dawson    07-Mar-1983
!               Global edit of all modules. Updated module names, idents,
```

```
!                   copyright dates. Changed require files to BLISS library.
!--

!++
!        D E F I N I T I O N   O F   /VARIANT   B I T S
!
!        The bit assignments are as follows:
!
!        Bit  Weight   Meaning
!---------------------------------------------------------------------
!        --     0      If no /VARIANT is supplied (as for vanilla DSR),
!                      compile with LN01 support. LN01 support is also
!                      implied by the DSRPLUS variant.
!
!         0     1      CLEAR =  Unassigned
!                      SET   =  Unassigned
!
!         1     2      CLEAR =  Normal compile
!                      SET   =  Compile for DSRPLUS
!
!        4-6   16      CLEAR =  English (American) version
!                      SET   =  16 = German (Austrian)
!                               32 = French
!                               48 = Italian
!--

!---------------------------------------------------------------------
!   This variable (LN01) controls whether or not to compile an LN01-flavored
!   DSR. It is asserted by default, and also whenever DSRPLUS is asserted.
!
!   Modules utilizing LN01 are:
!
!       DOOPTS  NOUT
COMPILETIME
    ln01 =
        ( (%VARIANT EQL 0) OR  %VARIANT/2 )
    ;
!---------------------------------------------------------------------
!   This variable (DSRPLUS) controls compilation for the DSRPLUS program.
!
!   All modules utilize DSRPLUS.
COMPILETIME
    dsrplus =
        ( %VARIANT/2 )
    ;
!---------------------------------------------------------------------
!   This variable (FLIP) controls compilation of FLIP features of DSRPLUS.
!   It assures that FLIP features are compiled only on VMS systems.
!
!   Modules utilizing FLIP are many and various.
```

```
LIT

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%FI

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%IF
```

```
COMPILETIME
    flip =
        ( %VARIANT/2 AND %BLISS(BLISS32) )
    ;

!-------------------------------------------------------------------------
!      4-6    16      CLEAR =   English (American) version
!                     SET   =   16 = German (Austrian)
!                               32 = French
!                               48 = Italian
COMPILETIME
    German  = ( %VARIANT/16 AND NOT %VARIANT/32 AND NOT %VARIANT/64 ) ;
COMPILETIME
    French  = ( NOT %VARIANT/16 AND %VARIANT/32 AND NOT %VARIANT/64 ) ;
COMPILETIME
    Italian = ( %VARIANT/16 AND %VARIANT/32 AND NOT %VARIANT/64 ) ;
!-------------------------------------------------------------------------
!                         End of RNODEF.REQ
```

L 14

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CONVRT REQ

FRMSTK REQ

GETQSC REQ

NDXCLI REQ

NDXRTY REQ

ECC REQ

KWITEM REQ

PHDEF REQ

RUNTAB REQ

FLIPRECS REQ

FNCT REQ

GNCC REQ

IFSTK REQ

LSTOPS REQ

OUTOPT REQ

DIGIT REQ

FSPACK REQ

NDXXPL REQ

MAXIMA REQ

POOL REQ

RUNHAN REQ

DMDEFS REQ

FFDEFS REQ

GSLUCC REQ

INDEX REQ

NDXLIN REQ

PAGEN REQ

LETTER REQ

NMLST REQ

FOOFIL REQ

GCA REQ

MSG REQ

RNODEF REQ

DSRLIB REQ

FLGT REQ

HCT REQ

IRAC REQ

NDXPOL REQ

PASS REQ

LODEFS REQ

NUMPRM REQ

FOOREC REQ

MSGTXT REQ

NBITS REQ

KC REQ

PDT REQ

RNOMAC REQ

FLIRCHARS REQ

HLC REQ

LSTBTS REQ

OPDEV REQ